EP 1 093 307 A2

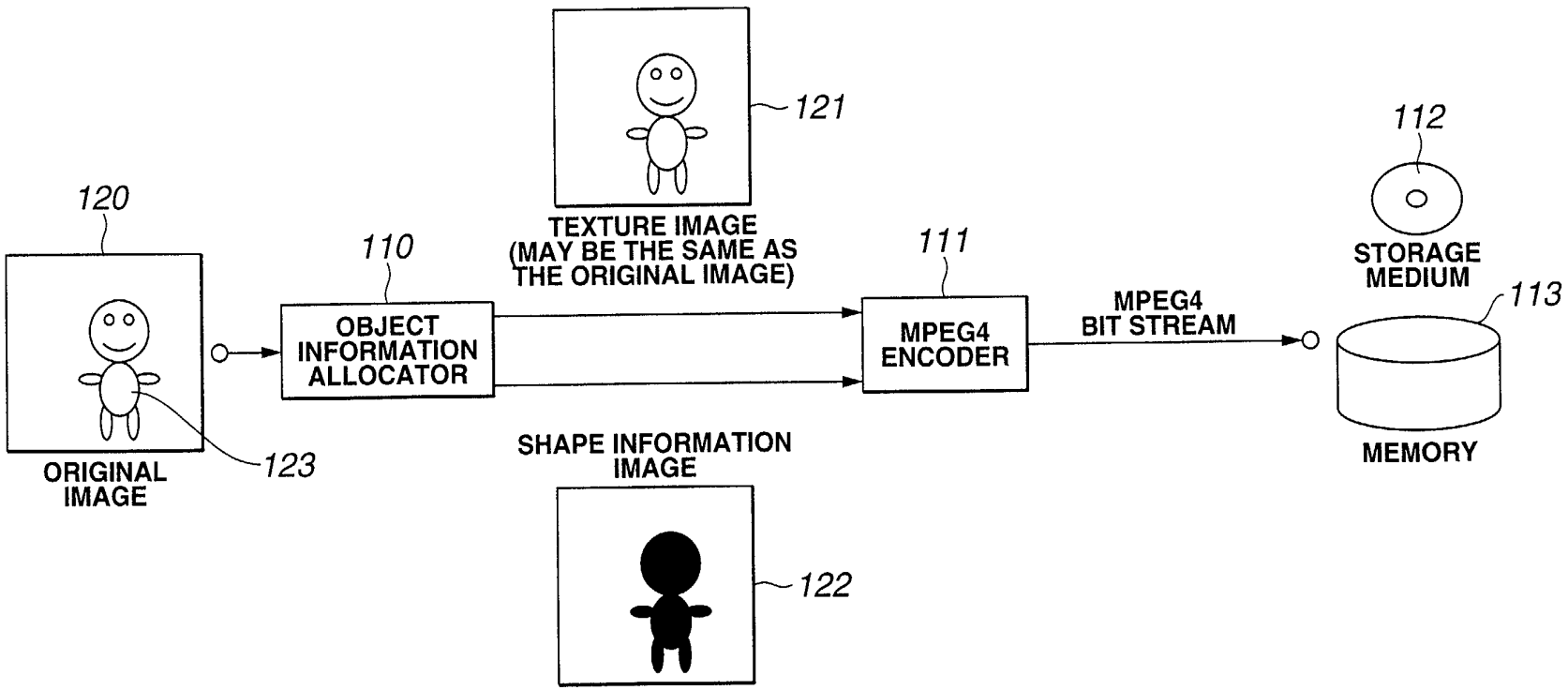


FIG.1

JP 2000-295625 A

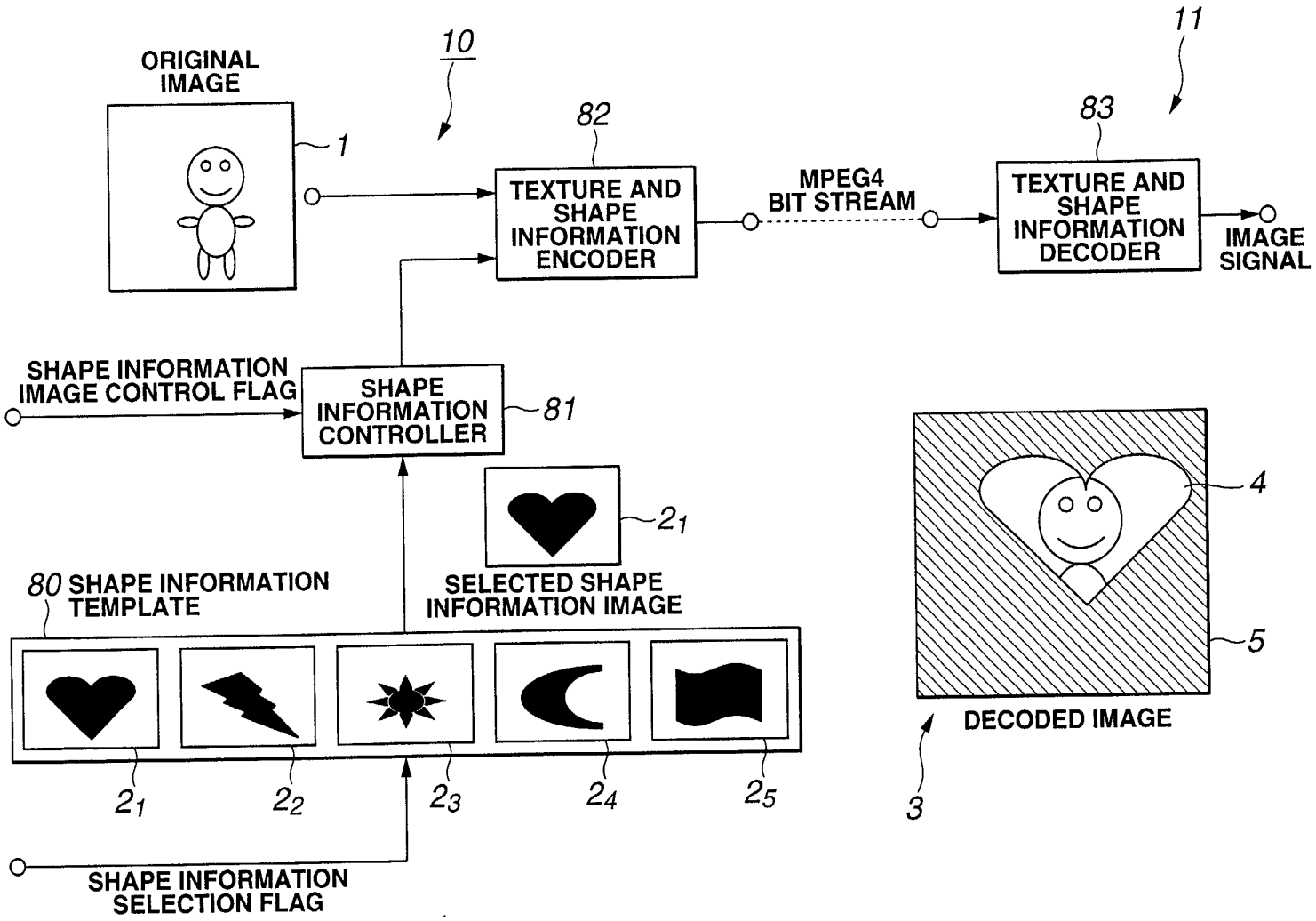


FIG.2

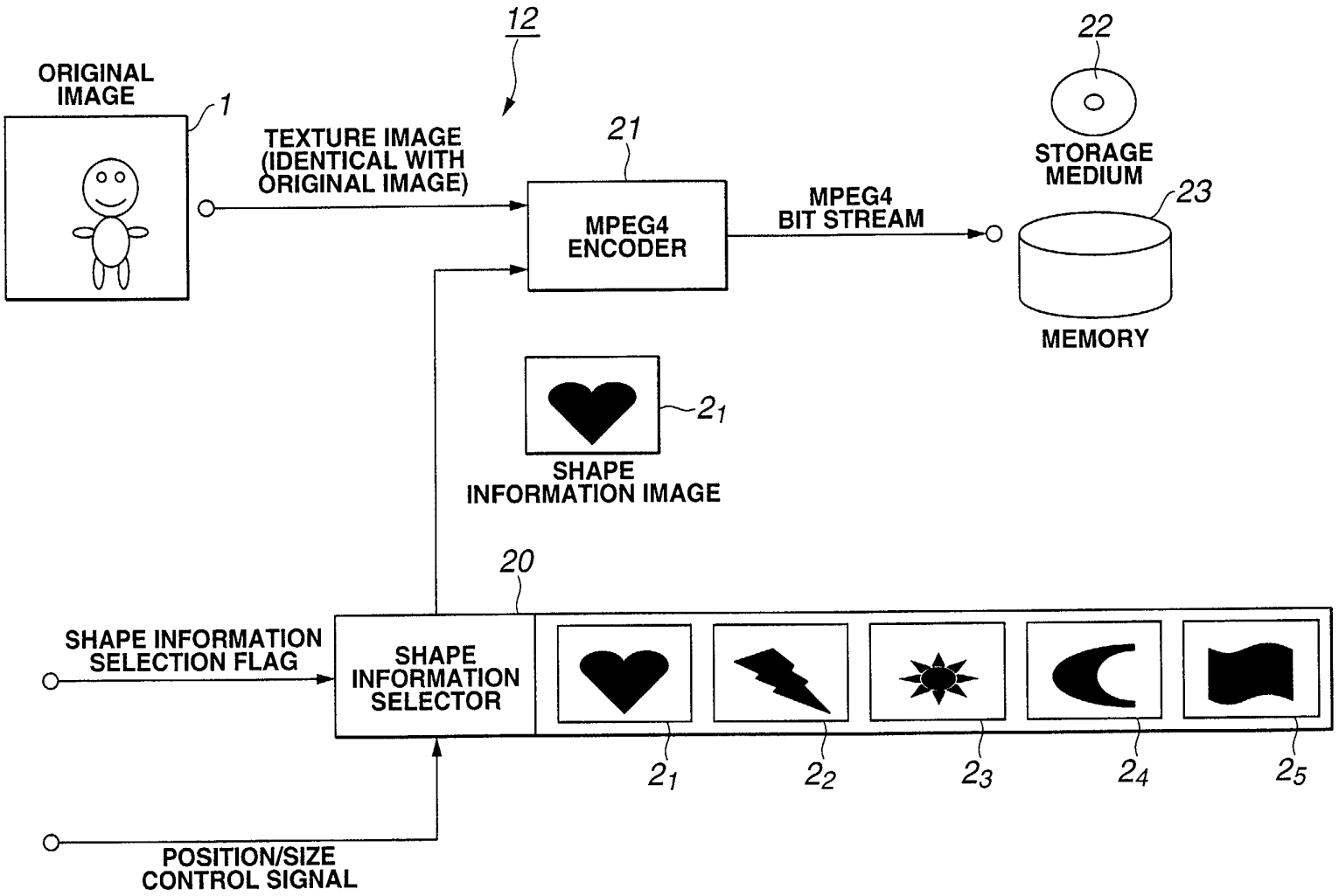

12
ORIGINAL IMAGE
1
TEXTURE IMAGE (IDENTICAL WITH ORIGINAL IMAGE)
21
MPEG4 ENCODER
MPEG4 BIT STREAM
22
STORAGE MEDIUM
23
MEMORY
21
SHAPE INFORMATION IMAGE
20
SHAPE INFORMATION SELECTION FLAG
SHAPE INFORMATION SELECTOR
21
22
23
24
25
POSITION/SIZE CONTROL SIGNAL

FIG.3

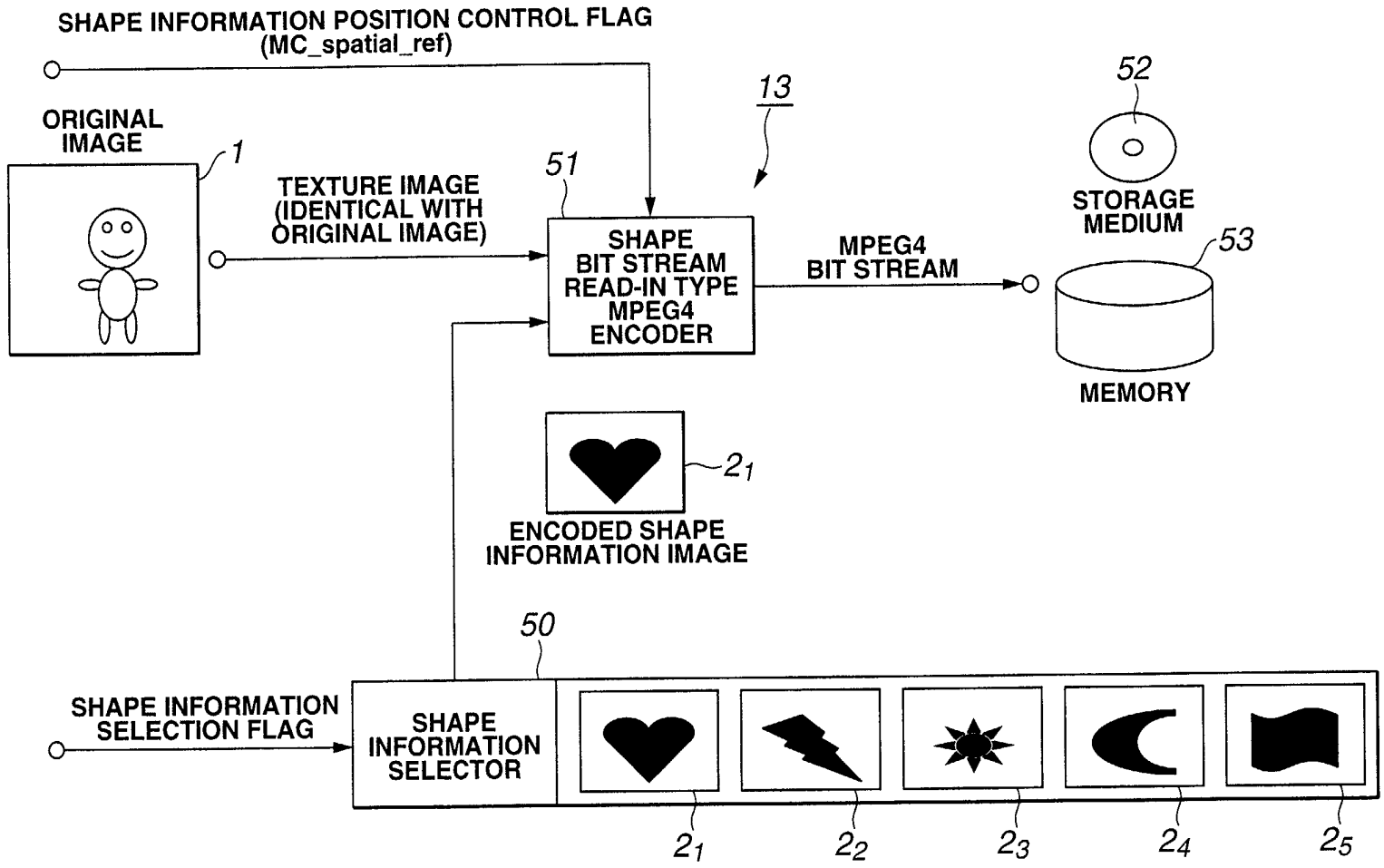

SHAPE INFORMATION POSITION CONTROL FLAG
(MC_spatial_ref)
13
52
ORIGINAL IMAGE
1
TEXTURE IMAGE (IDENTICAL WITH ORIGINAL IMAGE)
51
SHAPE BIT STREAM READ-IN TYPE MPEG4 ENCODER
MPEG4 BIT STREAM
STORAGE MEDIUM
53
MEMORY
21
ENCODED SHAPE INFORMATION IMAGE
50
SHAPE INFORMATION SELECTION FLAG
SHAPE INFORMATION SELECTOR
21
22
23
24
25

FIG.4

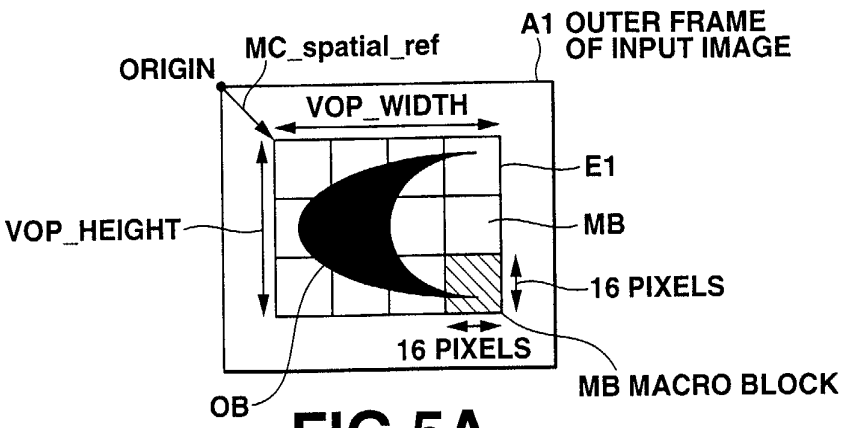


FIG.5A

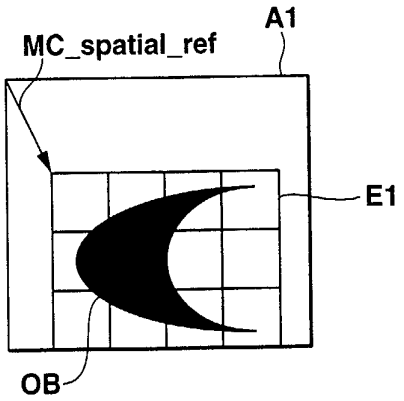


FIG.5B

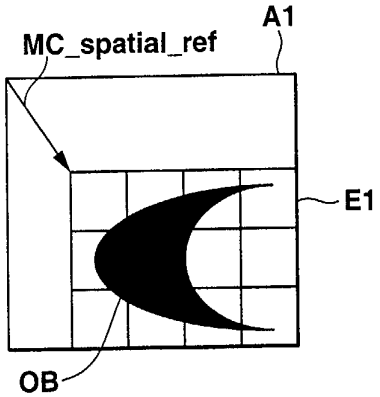


FIG.5C

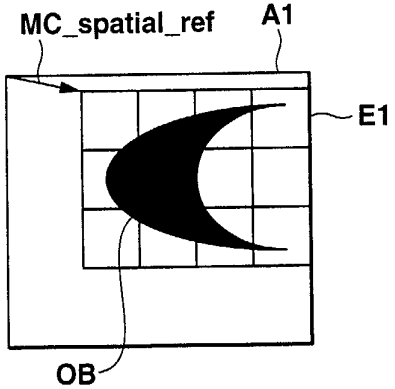


FIG.5D

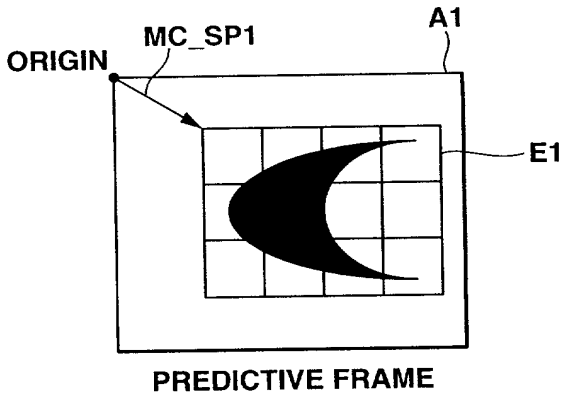


FIG.6A

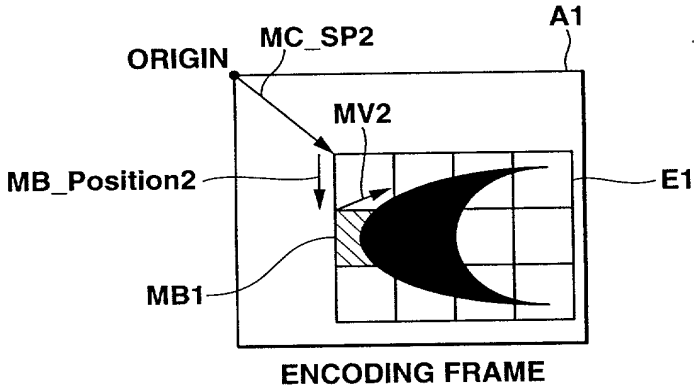


FIG.6B

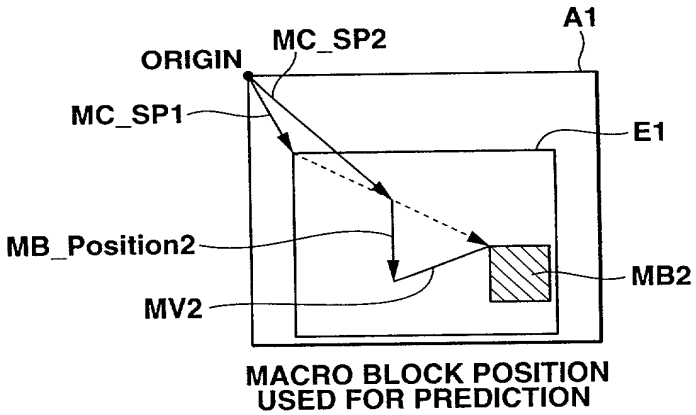
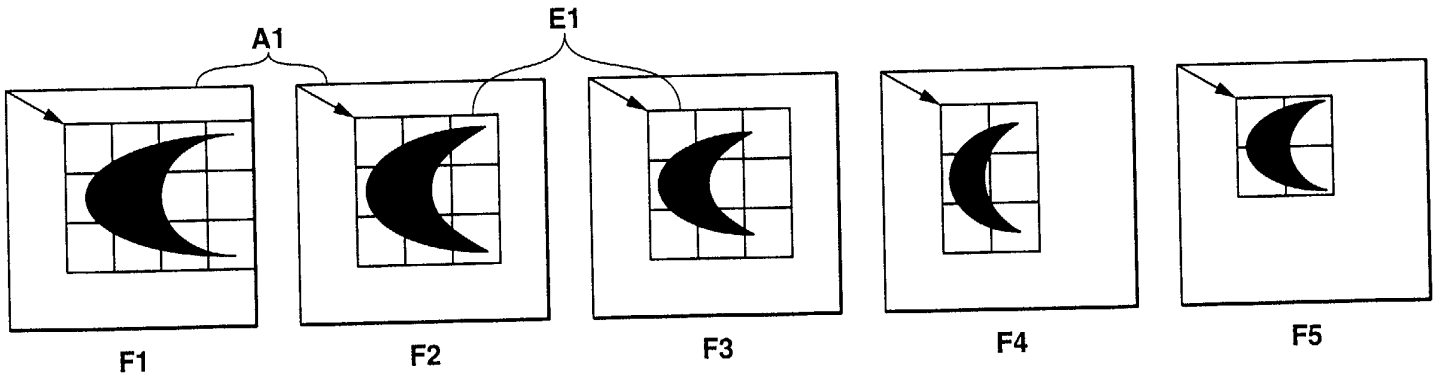
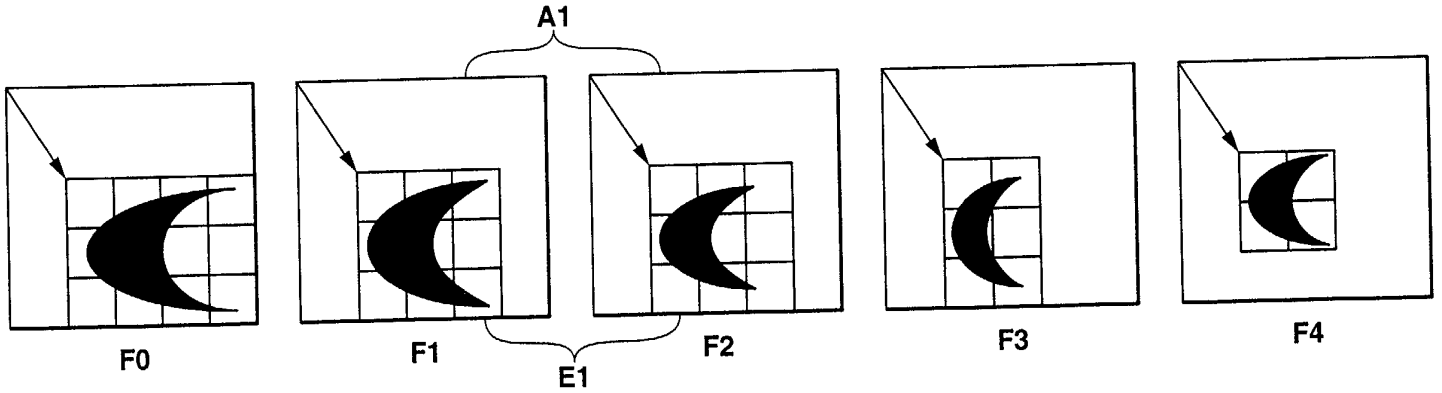


FIG.6C



ONE EXAMPLE OF INTRA ENCODING

FIG.7A



ONE EXAMPLE OF INTER ENCODING

FIG.7B

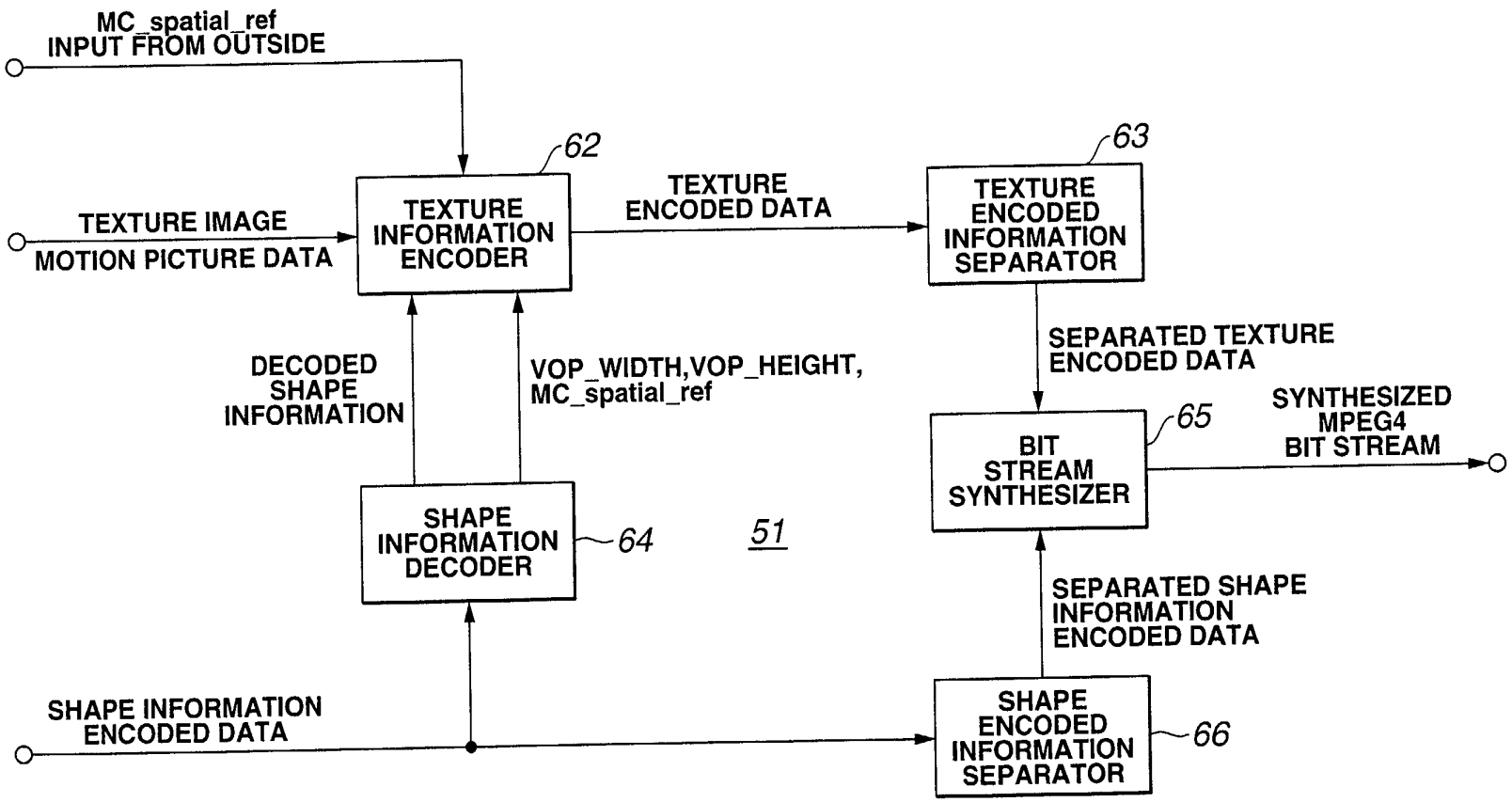

MC_spatial_ref
INPUT FROM OUTSIDE
62
TEXTURE IMAGE
MOTION PICTURE DATA
TEXTURE INFORMATION ENCODER
TEXTURE ENCODED DATA
63
TEXTURE ENCODED INFORMATION SEPARATOR
DECODED SHAPE INFORMATION
VOP_WIDTH,VOP_HEIGHT, MC_spatial_ref
SEPARATED TEXTURE ENCODED DATA
SYNTHESIZED MPEG4 BIT STREAM
65
BIT STREAM SYNTHESIZER
SHAPE INFORMATION DECODER
64
51
SEPARATED SHAPE INFORMATION ENCODED DATA
SHAPE INFORMATION ENCODED DATA
SHAPE ENCODED INFORMATION SEPARATOR
66

FIG.8

FIG.9A

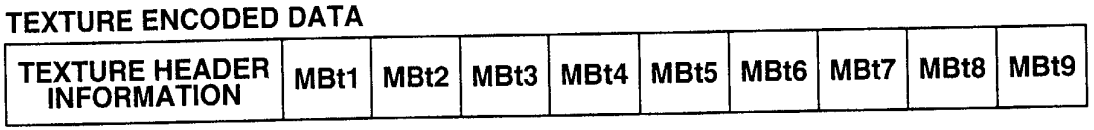


FIG.9B

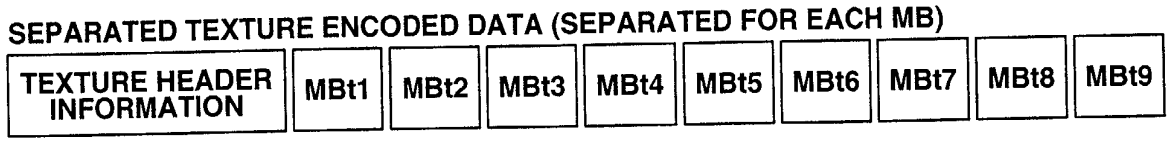


FIG.9C

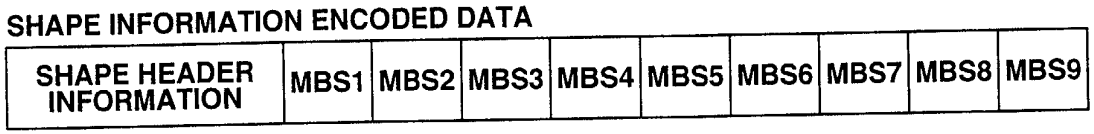


FIG.9D

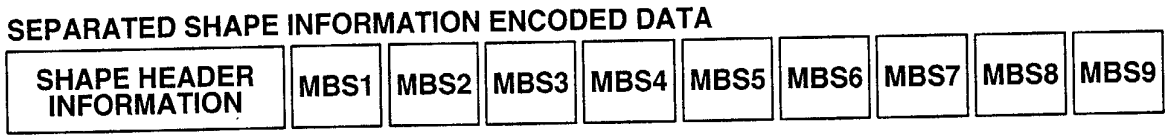
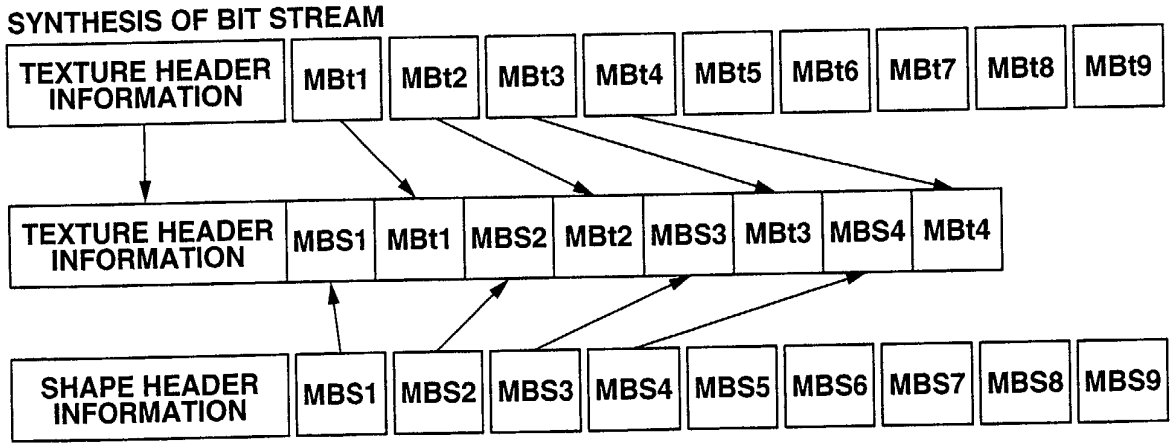



FIG.9E